

ARRANGEMENT FOR TESTING NETWORK SWITCH  
EXPANSION PORT DATA BY CONVERTING TO MEDIA  
INDEPENDENT INTERFACE FORMAT

ABSTRACT OF THE DISCLOSURE

5 A method for testing a network switch chip having an expansion port configured for  
transferring data according to a prescribed expansion port protocol. The method includes outputting  
the expansion port frame data from the expansion port according to the prescribed expansion port  
protocol, converting the expansion port frame data from the prescribed expansion port protocol to a  
prescribed network protocol such as IEEE 802.3-based Media Independent Interface (MII) protocol,  
and outputting the converted data according to the prescribed MII protocol to a test device having an  
MII interface configured for receiving the data according to the prescribed MII protocol. The  
conversion of the data from the prescribed expansion port protocol to the prescribed MII protocol  
enables the use of the test device for validation of the expansion port, without the necessity of another  
10 network switch chip.